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year. Referring to the institution's part in the International Congress on Tuberculosis, held in the new National Museum building, September and October last, it was stated that the institution, in conjunction with the Indian bureau, exhibited the results of an expedition by Dr. Ales Hrdlicka, of the U. S. National Museum, among the Menominee, Sioux, Quinault, Mohave and Hopa Indian tribes, for the purpose of showing the extent of tuberculosis among the Indians. The congress awarded the institution a gold medal for this exhibit. Of the appropriation of \$40,000 made for the purpose, \$25,000 was used and \$15,000 went back to the U. S. Treasury.

The board was informed of the removal of the Greenough statue of Washington from its long-accustomed position east of the capitol to the Smithsonian Institution. The statue is now on the lawn south of the west wing of the building, whence it will be removed into the building as soon as the necessary foundation can be provided.

There was submitted a brief statement of the art objects in the collection of Mr. Charles L. Freer, of Detroit, the title to which has already passed to the institution. These comprise 2,873 objects in all branches of art. A number of valuable recent additions have been made which with the original donation represent a cost to the donor of nearly a million dollars.

The secretary read a letter from President Roosevelt, dated June 20, 1908, stating his intention of visiting Africa after the expiration of his term, and offering to give to the Smithsonian Institution for the National Museum the results of his expedition, provided the Smithsonian should send the necessary naturalists to prepare and ship the materials. The offer was accepted by the secretary, and arrangements were at once made by the secretary to provide funds for the expenses of the Smithsonian representatives, without using the Smithsonian fund or money derived from any government appropriation. Upon motion of the Vice-President, a resolution was adopted conveying the thanks of the board to the President for his very generous offer, and the

acceptance of the offer. A further resolution was adopted thanking the donors of the funds for the expedition.

Progress on the new building for the National Museum was reported and it was thought that the building would be occupied in the summer of 1909. In keeping with the improvements projected for this locality, the board adopted a resolution expressing its sense that the further use of B Street, Northwest, just north of the new building between 9th and 12th Streets, for market purposes, be prohibited.

It was reported that Mr. C. G. Abbot, director of the Smithsonian Astrophysical Observatory, had established a station on Mt. Wilson, California, through courtesies extended by the Carnegie Institution of Washington, where measurements of the sun's radiation may be conducted as free as possible from earth tremors and cloud interference. A shelter will also be erected by the institution on Mt. Whitney, California, at an elevation of over 15,000 feet above sea level for the study of the atmosphere under the peculiarly favorable conditions there prevailing.

A resolution was adopted establishing a medal to be known as the Langley medal, as a tribute to the late Samuel Pierpont Langley, third secretary of the Smithsonian Institution, to be awarded for specially meritorious investigations in connection with the science of aerodromics and its application to aviation.

THE BALTIMORE MEETING

A PRELIMINARY announcement of the arrangements for the convocation week meeting of the American Association for the Advancement of Science and the affiliated societies, which begins at the Johns Hopkins University, Baltimore, on Monday, December 28, will be found in the issue of SCIENCE for November 27. In the present issue of SCIENCE will be found a list of the sections of the association and of some twenty-five national scientific societies which meet in affiliation with it. These and other issues of SCIENCE contain various notes concerning features of interest to men of science, which will form

part of the programs of the association and of the national societies. The meeting promises to be of unusual interest; there is reason to believe that the attendance and the value of the scientific programs will not be exceeded by any of the preceding convocation week meetings.

For the convenience of members of the special societies, it may be noted here that the American Association for the Advancement of Science expects to meet next year at Boston. There will be no summer meeting, but the British Association for the Advancement of Science has invited members of the American Association to take part in the meeting to be held in Winnipeg at the end of August. Plans have been proposed for a summer meeting in the Hawaiian Islands in the summer of 1911, with a possible meeting on the Pacific Coast, and it would be advisable for any societies or individuals who might like to take part in such a meeting to communicate with the permanent secretary of the American Association. After two meetings on the Atlantic seaboard, the association and the affiliated societies would expect to meet in the central states in convocation week of 1910-11. At the Chicago meeting a cordial invitation was presented to meet in Minneapolis on the earliest available occasion. The place of meeting will be recommended by the nominating committee at Baltimore, and invitations and suggestions should be communicated to the permanent secretary of the American Association or to the secretaries of the affiliated societies.

At a meeting of plant pathologists held at Washington, D. C., December 15, 1908, and after consultation with several experiment station pathologists, it was unanimously decided that an effort should be made to organize an American pathological society. A committee consisting of the following members, C. L. Shear, Donald Reddick and W. A. Orton, was appointed to arrange for a preliminary meeting in connection with the American Association for the Advancement of Science at Baltimore. Invitations have been issued to plant pathologists to meet December 30, 1908, at an hour and place to be announced

later and take part in the organization of the proposed society which, it is believed, can exercise great influence in advancing the study of phytopathology in America.

The tenth annual meeting of the Society of American Bacteriologists will be held in the rooms of the pathological laboratory of the Johns Hopkins Medical School, Baltimore, on December 29, 30 and 31, in affiliation with the American Association for the Advancement of Science. The program will be arranged to permit of joint meetings with Sections K and I of the association and the American Health League on the above dates, where subjects of interest to the members of the society will be under discussion.

The Botanical Society of America will hold its fifteenth annual meeting, in conjunction with the American Association, at Baltimore, on December 28, 29 and 30, under the presidency of William F. Ganong. The scientific sessions will be held at the Eastern High School in alternation with those of Section G of the association. The address of the past-president, Professor G. F. Atkinson, will be given on Tuesday, December 28, at eight P.M., in McCoy Hall. After the address members and visiting botanists will be invited to remain to meet Professor Atkinson and the officers of the society. On Wednesday evening there will be a dinner for botanists at Hotel Caswell. The special features of the scientific program for the Baltimore meeting will be addresses by Professor Roland Thaxter and Professor J. C. Bose; symposia on "Progress in the Study of Vascular Anatomy of Higher Plants," on Tuesday morning, and on "Present Problems in Plant Ecology" on Wednesday afternoon; a Darwin memorial session on Thursday afternoon. The symposia are arranged in accordance with the desire generally expressed at the Chicago meeting, that more time be given in the programs of the Botanical Society of America to synthetic papers given by leading workers, upon invitation by the council. The Darwin memorial session will be devoted to a series of addresses giving estimates of Darwin's service to botany in the several fields in which he worked. It is in-

tended to supplement and not to encroach upon the Darwin memorial session of the American Association.

Section K—Physiology and Experimental Medicine—of the American Association will hold two sessions at Baltimore. At the first, on Tuesday afternoon, Dr. Ludwig Hektoen, of the University of Chicago, will give the vice-presidential address on "Opsonins and Other Anti-bodies." This will be followed by a symposium on the "Regulation of Physical Instruction in Schools and Colleges, from the Standpoint of Hygiene." Those who will take part are Dr. William H. Howell, Dr. R. Tait-Mackenzie, Dr. Thomas A. Storey, Dr. Frederic S. Lee and Dr. Theodore Hough. At the second session, which will be held on Wednesday afternoon, and is a joint meeting with the American Physiological Society, the Society of American Bacteriologists and the American Society of Biological Chemists, general papers will be presented by Dr. M. J. Rosenau, Dr. Lafayette B. Mendel and Dr. Albion W. Hewlitt.

Dues of Members of the American Association for the Advancement of Science.—The permanent secretary of the American Association for the Advancement of Science urges all members of the association to make an especial effort to pay their dues for the year 1909 before the first of January, and as far in advance of that date as is now possible. He calls the attention of members to the notice in SCIENCE, No. 728, December 11, 1908, page 834, to the effect that the publishers of SCIENCE will require members to pay the postage on back numbers at the rate of one cent per number provided they pay their dues after the beginning of the year. It is most important for the proper conduct of the business of the association that dues should be paid promptly.

SCIENTIFIC NOTES AND NEWS

THE Vienna Academy of Sciences has elected M. Henri Poincaré, the eminent mathematician, to honorary membership. Among the corresponding members elected is Dr. G. H. Darwin, Plumian professor of astronomy at Cambridge.

DR. SERGIUS NAWASCHIN, director of the Botanical Garden at Kiev, has been elected a corresponding member of the Munich Academy of Sciences.

M. HENNEGUY has been elected a member of the Paris Academy of Sciences in the Section of Anatomy and Zoology in the room of the late M. Giard.

THE gold medal awarded under the Shaw Trust for Industrial Hygiene has been presented to Professor Galloway by the Royal Society of Arts, "In recognition of his valuable researches into the action of coal dust in colliery explosions, the outcome of which researches has been the provision of means by which the risk of such accident is materially diminished, and a consequent great saving of human life effected."

STUDENTS of the senior class of the Medical Department of the University of Buffalo, have presented Dr. Roswell Park with a silver service in honor of his completion of a quarter of a century as professor of surgery in the institution.

PROFESSOR WILLIAM KENT, until recently dean and professor of mechanical engineering in the L. C. Smith College of Applied Sciences of Syracuse University, has accepted the position of general manager of the Sandusky Foundry and Machine Company, Sandusky, Ohio.

DR. H. MORIZE has been appointed director of the Rio de Janeiro Observatory in the room of the late Professor L. Cruls.

MR. WILBUR WRIGHT, on December 18, again broke, at Le Mans, the aeroplane records for both duration and height of flight. In the morning he remained in the air one hour, fifty-three minutes and fifty-nine seconds, and in the afternoon attained an altitude of 360 feet.

THE expedition to the Bismarck archipelago, which was organized a year ago by the Prussian ministry of education, has been unfortunate in losing its leader, Dr. Emil Stephan, who died in New Mecklenburg on May 25. The leadership of the expedition has been taken over by Dr. Krämer, whose former work in the western Pacific is well known.